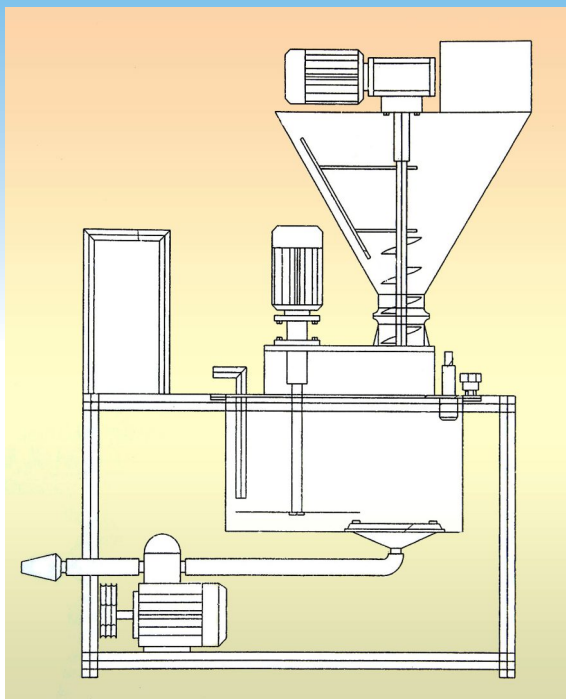


WATER-DUST FEEDING INSTALLATION FOR WR TYPE OF BOILERS



Characteristic feature of WR type feeder is the possibility of feeding catalyst water suspension with fluid regulation of dosage size.

Feeding system consists in mixing right proportions of jet milled catalyst with water.

Water-dust suspension, which is formed in the working container, is passed with a pump to feeding nozzles.

Advantages of such solution include the possibility of forming water catalyst suspension directly before its supply to coal feed, excluding transport of large volumes of water solutions (SC type suspensions) to the place of feeding, as well as facilitating dry catalyst storage without the necessity of heating storage rooms.

Choosing the right concentration of water-dust suspension is achieved thanks to automated control of water flow and of the speed of catalyst feeding from storage bin to working container with the use of engine with stirrer. The speed of forming catalyst suspension depends on the feeding speed. Intensive catalyst mixing in the working container is achieved thanks to applying excess fluid circulation.

At the same time, the level of catalyst suspension in water in the working container is controlled with level detectors, which periodically provide the container with a new portion of water and catalyst in powder form, in correct proportions.

WR feeding installation is controlled with a driver whose display enables fluid adjustment of the amount and speed of catalyst feeding.

